



# भारत का राजपत्र The Gazette of India

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No. 26] NEW DELHI, SATURDAY, JUNE 28, 1986 (ASADHA 7, 1908)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III--SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचना और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 28th June 1986

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Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamil-Nadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),  
214, Acharya Jagadish Bose Road,  
Calcutta-700 017.

Rest of India.

Telegraphic address "PATENTS".

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Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Saraswati Marg, Garol Bagh,  
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

## CORRIGENDUM

(1)

In the Gazette of India Part III, Section 2 dated the 7-1-1985, page 864 column 2 under the heading Cessation of Patents.

Delete—137375.

In the Gazette of India Part III, Section 2 dated the 13-7-1985 Page 568 column-1, under the heading Cessation of Patents.

Delete—119087.

In the Gazette of India Part III, Section 2 dated the 3-8-1985 page-611, Column-2 under the heading Cessation of Patents.

Delete—123307, 124015.

In the Gazette of India Part III, Section 2 dated 10-8-1985 page-625, Column-2 under the heading Cessation of Patents.

Delete—125220.

In the Gazette of India Part III, Section 2 dated 24-8-1985 Page-651, Column-1 & Column-2 under the heading "Cessation of Patents.

Delete—129884, 131380.

In the Gazette of India Part III, Section 2 dated 2-11-1985 Page-792, Column-1, under the heading "Cessation of Patents.

Delete—134253.

In the Gazette of India Part III, Section 2 dated 9-11-1985 Page-805, Column-2, under the heading "Cessation of Patents.

Delete—135867.

## CORRIGENDUM

(2)

In the Gazette of India Part III, Section 2 dated the 28th December, 1985 under the heading "PATENTS SEALED" delete 154736.

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

214. ACHARYA JAGADISH BOSE ROAD  
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

20th May 1986

379/Cal/86 Mitsui Toatsu Chemicals Inc. Method of re-generating rice plants from protoplasts.

380/Cal/86 Mitsui Toatsu Chemicals Inc. Method of culturing protoplasts.

381/Cal/86 Mitsui Toatsu Chemicals Inc. Method of culturing protoplasts.

382/Cal/86 R. J. Reynolds Tobacco Company. Smoking Article.

383/Cal/86 The Babcock & Wilcox Company. Coal-water fuel production.

21st May 1986

384/Cal/86 Murex Corporation. Transverse flow diagnostic device.

22nd May 1986

385/Cal/86 Penwalt Corporation. Polyhydroxy polymer delivery systems.

386/Cal/86 (1) Paul Eirich, (2) Hubert Eirich, (3) Walter Eirich. Pressure-resistant mixer.

26th May 1986

387/Cal/86 F. I. Du Pont De Nemours and Company. Seamless Laminar Article.

388/Cal/86 Kjell Haugom. A pipe handling appliance for use on drilling platforms.

389/Cal/86 Ram Krishna Ghose. Amphibious shoe (Hydro-static).

27th May 1986

390/Cal/86 IEL Limited. Explosive Composition.

391/Cal/86 IFL Limited. Method and system for the treatment of watery boreholes.

392/Cal/86 "Neyrpic". Channel for feeding water to a vertical-axis kaplan water turbine.

393/Cal/86 Hitachi, Ltd. A system structure recognition method for a multiloop transmission system.

394/Cal/86 Siemens Aktiengesellschaft. A method of automatically matching the impedance of a transmitter to an antenna.

395/Cal/86 Ram Naresh Singh. Face-Net device.

28th May 1986

396/Cal/86 Kabushiki Kaisha Meidensha. Vacuum Interrupter.

397/Cal/86 Engelhard Corporation. Improved method of making seed solution useful in zeolite catalyst manufacture.

398/Cal/86 The Jacobs Manufacturing Company. Engine retraining method and apparatus.

## APPLICATIONS FOR PATENT FILED AT THE PATENT OFFICE BRANCH

MUNICIPAL MARKET BUILDING, IIIrd FLOOR  
KAROL BAGH, NEW DELHI-110 005.

1st May 1986

391/Del/86 Shanti Swaroop Kapoor, "Improved needle weaving machine".

392/Del/86 Latszerezseti Eszkozok Gyara, "Sight testing ambulance bus".

393/Del/86 The Lubrizol Corporation. "Metal salts of mixed aromatic/aliphatic phosphorodithioic acids".

394/Del/86 The Lubrizol Corporation, "Coupled phosphorus-containing amides precursors thereof and lubricant compositions containing same".

2nd May 1986

395/Del/86 Kapoor Chand Jain, "A process for coating of paper".

396/Del/86 Kapoor Chand Jain, "A coated paper".

397/Del/86 Kapoor Chand Jain, "A coated paper".

398/Del/86 S. B. Engineering Works, "A labelling machine".

399/Del/86 Heinz Schaaf Nahrungsmittel-Extrusionstechnik, "Apparatus for extruding food stuffs".

400/Del/86 Heinz Schaaf Nahrungsmittel-Extrusionstechnik, "Method and apparatus for extruding foodstuffs".

5th May 1986

- 401/Del/86 Bal Krishan Gupta, "An improved self closing pin type cylinder valve for LP gas cylinder".
- 402/Del/86 Ashok Baid, "Improvement in or relating to cap for double filament bulb".
- 403/Del/86 Kailash Chandra Soni, "An improved broom".
- 404/Del/86 Ashok Kumar Gupta, "Local scour shield for river bridge piers".
- 405/Del/86 Bharat Heavy Electricals Limited, "Start up method for fluidised bed combustion boiler using charcoal and over bed LPG ignitor".
- 406/Del/86 Paul Wurth S. A., "Process and apparatus for charging a shaft furnace".
- 407/Del/86 Allied Corporation, "Compressor drive with oil distribution sleeve".
- 408/Del/86 The B. F. Goodrich Company, "Process for preparing high bulk density vinyl resins".
- 409/Del/86 Flexitallic Limited, "Improvements in and relating to gaskets". (Convention date 10th May, 1985).

6th May 1986

- 410/Del/86 Solvay & Cie, "Coating device".
- 411/Del/86 Emhart Industries, Inc., "Drive system for a glass container production line (Convention date 15-5-85) (U. K.).
- 412/Del/86 Long Mile Rubber Co., "Method and apparatus for recapping a tire with a flexible segmented mold".
- 413/Del/86 Shell Internationale Research Maatschappij B. V., "Process for producing hydrocarbon containing liquids from biomass". (Convention date 8th May, 1985) (U. K.).

7th May 1986

- 414/Del/85 American Coin Currency Equipment Corporation, "Micro-processor controlled cash counting apparatus".
- 415/Del/86 Lucas Industries Public Ltd. Co., "Improvements in hydraulic anti-skid braking systems for vehicles". (Convention date 18th May, 1985) (U.K.).
- 416/Del/86 Azionaria Costruzioni Macchine Automatiche A. C. M. A. S. p. A., "Apparatus for supplying flattened boxes to a packaging machine".

8th May 1986

- 417/Del/86 Parker Hannifin Corporation, "Fuel filter".
- 418/Del/86 SRF Nippondenso Ltd., "An alternator".
- 419/Del/86 National Research Development Corporation, "A process for the preparation of a bisphenol a phosphate ester".
- 420/Del/86 National Research Development Corporation, "A process for the preparation of polyvinyl chloride cloth".

12th May 1986

- 421/Del/86 Jagdish Kumar Chawla, "Flow of water to higher level from lower without engine".
- 422/Del/86 Emhart Industries, Inc., "Universal servo driven gob distributor".

- 423/Del/86 Societe De Conseils De Recherches Et D'Applications Scientifiques (S. C. R. A. S.), "Preparation process of new anti-diarrhea compositions". (Convention date 15th May, 1985) (U. K.).

- 424/Del/86 O & K Orenstein & Koppel Aktiengesellschaft, "Process and plant system for cooling white cement clinker".

13th May 1986

- 425/Del/86 O & K Orenstein & Koppel Aktiengesellschaft, "Process for the heat treatment of line grained material".
- 426/Del/86 Xavier Peyre, "Device for handling containers".
- 427/Del/86 Asca Aktiebolag, "Manufacture of steel in DC furnace".

14th May 1986

- 428/Del/86 Council of Scientific and Industrial Research, "Method of making chemically modified iodide ion sensing electrode".
- 429/Del/86 Indu Upadhyaya, "A cerebrospinal fluid shunting device".
- 430/Del/86 Uniroyal Chemical Co., Inc., "Process for preparing 4-aminodiphenylamines".
- 431/Del/86 Colgate Palmolive Co., "Antistatic agents".
- 432/Del/86 BP Chemicals Ltd., "Thermoplastic elastomer compositions".
- 433/Del/86 BP Chemicals Ltd., "Process for the polymerisation of copolymerisation of alphaolefins in a fluidised bed, in the presence of a ziegler-natta catalyst system". (Convention date 24th June, 1985) (Canada) & 26th June, 1985 (New Zealand).

15th May 1986

- 434/Del/86 Avondale Industries, Inc., "Improved automatic actuating and locking means for the hopper doors of a railroad hopper car".
- 435/Del/86 Lgz Landis & Gyr Zug AG, "Device comprising a hall element integratable in an integrated circuit".
- 436/Del/86 GKN Sankey Ltd., "Tractor wheels".
- 437/Del/86 LGZ Landis & Gyr Zug AG, "Device comprising a hall element integratable in an integrated circuit".

16th May, 1986

- 438/Del/86 Jitendra Behari & Ved Prakash Arya, "Improvements in or relating to apparatus for bone stimulations".
- 439/Del/86 Etablissements Arrive S.A. & Union Financiere pour Le Development De L' Economie Cerealiere Unigrains, "Carving device, in particular between two areas of different hardness".
- 440/Del/86 Etablissements Arrive S.A. & Union Financiere Pour Le Development De L' Economie Cerealiere Unigrains, "Device for holding animal carcasses".
- 441/Del/86 Wiwa Wilhelm Wagner GmbH & Co, KG., "Pump drive".

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002

5th May, 1986

347/Mas/86 M. R. Srinivasan; S. Pattabiraman; S. Ranganayaki & R. Jayalakshmi. A motor for an alternator.

348/Mas/86 Elke Oschmann. Automatic filling device for battery cells. (May 3, 1985; Canada)

349/Mas/86 BASF Aktiengesellschaft. Dyes Containing Thiophene Radicals.

6th May, 1986

350/Mas/86 T. A. Vijayan. An improved air cooler.

351/Mas/86 Ciba-Geigy AG. A process for the preparation of a phthalocyanine compound. (Divisional to Patent Application No. 1432/CAL/82).

352/Mas/86 Ciba-Geigy AG. A process for the preparation of a phthalocyanine compound. (Divisional to Patent Application No. 1432/CAL/82).

353/Mas/86 Union Carbide Corporation. Block polymers containing a poly (Aryl ether ketone) and methods for their production.

354/Mas/86 Sumitomo Chemical Company Limited. Nitrogen-containing heterocyclic compounds, and their production and use.

7th May, 1986

355/Mas/86 BBC Brown, Boveri & Company Limited. Damping element for independent turbomachine blades.

12th May, 1986

356/Mas/86 Rhone-Poulenc Specialites Chimiques. Drilling muds.

357/Mas/86 Mobil Oil Corporation. De-Entrainment Chimney.

358/Mas/86 Brown & Williamson Tobacco Corporation. Improved tobacco expansion process.

359/Mas/86 Caterpillar Tractor Co. Corner tooth for a bucket. (September 18, 1985; Canada).

360/Mas/86 Mauser-Werke GmbH. A Bung Barrel.

13th May, 1986

361/Mas/86 Bera Anstalt. Apparatus for the production of carbon black.

362/Mas/86 Bera Anstalt. An installation for the production of carbon black.

363/Mas/86 Bera Anstalt. Apparatus for the production of carbon black.

364/Mas/86 Raychem Corporation. Cable sealing apparatus.

365/Mas/86 Raychem Corporation. Organopolysiloxane materials having decreased surface tack.

366/Mas/86 Raychem Corporation. Sealing material.

367/Mas/86 Raychem Corporation. Curable organopolysiloxane composition.

14th May, 1986

368/Mas/86 Lucas Industries Public Limited Company. A drum brake including three brake shoes.

369/Mas/86 M. V. Madhu Sudhana. Improved coin freed apparatus for vending bottles and similar solids.

370/Mas/86 Dr. Beck & Co. AG. Heat-curable self-bonding enamel and its preparation.

371/Mas/86 Diversified Products Corporation. Racquet frame with stringing holes and method for making same. (May 21, 1986; United Kingdom).

372/Mas/86 David Cullis-Hill. Preparation of Hyaluronic Acid.

373/Mas/86 Portapax Limited. Crates, and Linings therefor. (May 16, 1985; Great Britain).

374/Mas/86 Board of Regents, The University of Texas System. Electromagnetic array profiling survey method.

15th May, 1986

375/Mas/86 Eskayef Limited. Cyclopeptide Antibiotics.

376/Mas/86 Owens-Illinois, Inc., Closure with snap type hinge cap.

377/Mas/86 Metal Box p.l.c. Method of an apparatus for spin-welding. (May 24, 1985; United Kindom).

378/Mas/86. Metal Box p.l.c., Spin-welding apparatus (May 24, 1985; Great Britain).

379/Mas/86 Metal Box p.l.c. Spin-welding apparatus. (May 24, 1985; Great Britain).

380/Mas/86 The Dow Chemical Company. A porous filter media and membrane support means.

16th May, 1986

381/Mas/86 The Ophilus Arputharaj Devagnanam. Improved knitting needle.

ALTERATION OF DATE

157808. } Ant: dated to 1st July, 1982.  
(501/Del/82)

157809. } Antc dated to 1st July, 1982.  
(502/Del/82)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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CLASS : 144 E<sub>2</sub> -

157800

Int. Cl. : C09k 3/00.

"AN IMPROVED PROCESS FOR THE PREPARATION OF AN ANTISCALING AGENT."

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE.

Inventor : Ved Prakash Malhotra, Minakshi Gupta, Upendra Krishen Saroop, Dev Dulari and Neelam Grover.

Application for Patent No. 181/DEL/1982 filed on 5th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(8 Claims)

An improved process for the preparation of an antiscaling agent which comprises in dissolving pyrogallol in a solvent such as herein described to obtain a clear solution, characterized in first adding a known catalyst as herein described to said solution such as to cause an exothermic reaction, further heating said solution to temperature of 85 to 95°C and then adding benzaldehyde or decylaldehyde thereto obtain a precipitate consisting of a condensation product, said addition of benzaldehyde or decylaldehyde being effected in a manner such that a first portion thereof is added at a temperature lower to that of the second portion.

(Complete Specification 13 pages).

CLASS : 48A<sub>4</sub>, 148 M & 194 B.

157801

Int. Cl. : H01t 19/00, H05f 3/00 &amp; G03g 15/00.

"CORONA CHARGING AND DISCHARGING APPARATUS".

Applicant : DENNISON MANUFACTURING COMPANY, A NEVADA CORPORATION WITH ITS PRINCIPAL PLACE OF BUSINESS AT 300 HOWARD STREET, FRAMINGHAM, MASSACHUSETTS 01701, UNITED STATES OF AMERICA.

Inventor : Harold W. Cobb & Richard A. Fotland.

Application for Patent No. 195/DEL/1982 filed on 8th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(37 Claims)

Corona charging and discharging apparatus comprising :  
an elongate conductor;

a dielectric sheath for said elongate conductor;

a control electrode in proximity to said dielectric sheath;

a time-varying potential applied between said elongate conductor and said control electrode in order to create a glow discharge; and

an extraction potential for extracting ions from said glow discharge to produce an output ion current approximately proportional to said extraction potential.

(Complete Specification 32 Pages. Drawing 6 sheets).

CLASS : 35 E.

157802

Int. Class :—C04b 35 00.

"A METHOD OF FORMING A MONOLITHIC REFRACTORY LAYER ON THE INNER SURFACE OF METALLURGICAL VESSEL".

Applicant :—QUIGLEY COMPANY INC., a corporation organised under the laws of the State of New York, United States of America of 235 East 42nd Street, New York, State of New York, United States of America.

Inventor :—Eiji Asaka, Kentaro Ishikawa & Ryoza Kuwai.

Application for Patent No. 201/DEL/1982 filed on 11th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(8 Claims)

A method of forming a monolithic refractory layer of 5 to 100 millimeters thickness directly on the inner surface of a metallurgical vessel, which comprises :

Positioning within said vessel a mold 16 having an outer surface 18 substantially conforming to the configuration of the inner surface 20 of said vessel so as to provide a substantially uniform space between said mold outer surface and said vessel inner surface;

filling said space with a substantially dry particulate mixture comprising at least 70 weight per cent refractory aggregate, at least 0.5 weight per cent thermosetting resin and one or more inorganic binders of the kind such as herein described;

heating said mixture to cure said resin; and  
removing said mold.

(COMPLETE SPECIFICATION 15 PAGES  
DRAWING ONE SHEET).

CLASS : 12 D.

157803

Int. Cl. : C22f 1/04.

"PROCESS FOR PRODUCING WROUGHT ALUMINUM ALLOY SHEET STOCK."

Applicant :—COORS CONTAINER COMPANY a corporation organised under the laws of the State of Colorado, United States of America, of 17755 West 32nd Avenue, Golden, State of Colorado, United States of America.

Inventors :—PAUL BRENNKE & DONALD CHARLES MCAULIFFE.

Application for Patent No. 202/DEL/1982 filed on 11th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(9 CLAIMS)

A process for producing wrought aluminum alloy sheet stock possessing refined recrystallised grain structure and a visually cleaner background which comprises :

(i) continuously chill roll casting an aluminum alloy containing aluminum and manganese to form a slab;

(ii) cold rolling said chill slab to reduce its thickness by at least about 60% to form a sheet.

(iii) annealing said cold rolled sheet at a temperature in the range of from 825°F to 900°F (440°C to 483°C) to provide wrought aluminum sheet stock having reduced visible manganese dispersoid and a recrystallisation structure of at least 200 grains per square millimeter of microstructure, and

(iv) subjecting the sheet to a further cold rolling to reduce its thickness by at least 85%.

(COMPLETE SPECIFICATION 19 PAGES  
DRAWING SIX SHEETS)

CLASS : 35E.

157804

Int. Class : C 04 b 35/00.

"A REFRACTORY COMPOSITION AND ARTICLES MADE THEREFROM."

Applicant : GENERAL REFRACTORIES COMPANY, a company existing by and under the laws of the Commonwealth of Pennsylvania and having its principal place of business at 225 City Avenue, Bala Cynwyd, Pennsylvania, 19004, United States of America.

Inventors : FRANCIS WALTER HENRY & MERRILL WOOD.

Application for Patent No.209/DEL/1982 filed on 15th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(8 CLAIMS)

A refractory composition comprising a refractory material such as herein described, a non-aqueous thermoplastic refractory binder such as herein described, and a viscosity adjusting agent such as herein described, said binder being a resinous petroleum residue having a softening point ranging from 100°C to 150°F (38—65°C) and being less than 2% insoluble in benzene.

(COMPLETE SPECIFICATION 8 PAGES).

CLASS : 126A and 10B.

157805

Int. Class : F 42d 5/00; F 42b 35/00 and G 01r 31/02.

"AN APPARATUS FOR TESTING THE RESISTANCE OF AC OPERABLE DETONATING MODULES."

APPLICANT :— AFICI LIMITED, of 16th Floor, Office Tower, Carlton Centre, Commissioner Street, Johannesburg, Transvaal, Republic of South Africa, a South African company.

INVENTOR :— BOHUMIL MARIA JAN PLICHTA.

Application for Patent No. 234/DEL/1982 filed on 20th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-11005.

(8 CLAIMS)

An apparatus for testing the resistance of AC operable detonating modules, which comprises a charge storage means for storing a pre-determined amount of electric charge; an output connecting means connected to a primary core of module being tested; a switch means connecting the charge storage means to the said output connecting means whereby the stored charge is discharged through the said output connecting means; and electrical measuring means connected to said output connecting means for determining the voltage across or the current through the output connecting means.

(COMPLETE SPECIFICATION 12 PAGES  
DRAWING ONE SHEET).

CLASS : 61A, B&amp;F &amp; 98G.

157806

Int. Cl. : F26b 9/00.

"APPARATUS FOR DRYING GRANULAR OR FIBROUS MATERIALS".

APPLICANT :— CEYLON TOBACCO COMPANY LIMITED, a Company duly incorporated in the Republic of Sri Lanka under Companies Ordinance (Cap.145), of 108, George R de Silva Mawatha, Colombo 13, Sri Lanka.

INVENTOR :— JATAL DHARMA-PPRIYA MANNAPPERUMA.

Application for Patent No. 274/DEL/1982 filed on 3rd April, 1982.

Convention date on 3rd April, 1981/8110525/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(9 CLAIMS)

Apparatus for the drying of granular or fibrous material by means of solar energy ambient air which comprises a trough having mounted above its open upper surface a porous fabric adapted to act as a solar energy collector and upon which said granular or fibrous material to be dried is distributed, means for drawing ambient air through said porous fabric and simultaneously through said material distributed on said porous fabric into said trough, and an outlet provided in said trough for the exit of air drawn thereinto.

(COMPLETE SPECIFICATION 6 PAGES  
DRAWING ONE SHEET).

CLASS : 70 B.

157807

Int. Cl. : B 01k 3/10.

"DIAPHRAGM FOR WATER ELECTROLYSIS."

Applicant : NORSK HYDRO A. S., OF BYGDY ALLE 2, OSLO 2, NORWAY, A NORWEGIAN COMPANY AND HOECHST AKTIENGESellschaft, OF POSTFACH 80 03 20, 6320 FRANKFURT AM MAIN 80, WEST GERMANY, A GERMAN COMPANY.

Inventors : KNUT ANTON ANDRESSEN, GERHARD BEYER AND OLAV ANDREAS EIDE.

Application for Patent No. 276/DEL/1982 filed on 5th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(5 Claims)

Diaphragm for use in water electrolysis cells, which consists essentially of fluorocarbon polymers which have been oxidized to improve the wettability, characterized in that the fluorocarbon polymers are present in form of monofilaments, that only the surface of the monofilaments is oxidized, that the monofilaments are woven into a fabric.

(Complete Specification 9 Pages).

CLASS : 190D.

157808

Int. Cl. : F03d 7/00, 11/00.

"A WIND DIRECTING DEVICE WITH SPEED CONTROL MEANS FOR A WIND MILL".

Applicant : KAPUR SINGH AND KAKA SINGH, BOTH INDIAN NATIONALS OF A-791, PREM NAGAR, NABI KARIM, PAHAR GANJ, NEW DELHI, INDIA.

Inventors : KAPUR SINGH AND KAKA SINGH.

Application for patent No. 501/Del/82 filed on 5th July, 1982.

Divisional to patent application No. 416/Del/81 filed on 29th June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## (2 Claims)

A wind directing device with speed control means for a wind energy converter or windmill which comprises a frame secured to a rotor assembly of the wind energy converter or windmill, a wind director vane fixed rigidly to the end of the frame remote from the rotor assembly, a second vane disposed at right angles to the wind director vane and secured to a housing slidable along the frame, a diagonal arm pivoted at one end to the housing and at the other end to an arm on the rotor assembly and at the other end to another arm on the rotor assembly supporting frame, the wind director vane being capable of turning the rotor assembly against the direction of the wind and the second vane being also capable of moving the rotor assembly away from the direction of the wind when the wind velocity is high.

(Complete specification 9 pages). (Drawing Sheet—One)

CLASS : 190 D, 157809

Int. Cl. : F03d 1/02.

"A WIND ENERGY CONVERTER".

Appl.licant : KAPUR SINGH AND KAKA SINGH, BOTH INDIAN NATIONALS OF A-791, PREM NAGAR, NABI KARIM, PAHAR GANJ, NEW DELHI, INDIA.

Inventors : KAPUR SINGH AND KAKA SINGH.

Application for patent No. 502/Del/82 filed on 5th July, 1982.

Divisional to patent application No. 416/Del/81 filed on 29th June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## (3 Claims)

A wind energy converter comprising at least a first rotor and a second rotor mounted on a single tower, said rotors being disposed in a vertical plane one above the other, the rotation of the blades of the two rotors mutually assisting the rotation of the two rotors in opposite directions and a single driven shaft adapted to be driven jointly by the said rotors, said second rotor having a rotor shaft with a bevel gear in meshing with a bevel gear provided at one end of the said driven shaft, said first rotor having a rotor shaft coupled to the rotor shaft of said second rotor, a first bevel gear being provided at the end of the rotor shaft of said first rotor, an intermediate shaft provided with a second bevel gear meshing with said first bevel gear, said intermediate shaft having at the opposite end thereof means for coupling the intermediate shaft to the rotor shaft of the said second rotor.

(Complete specification 9 pages. Drawing 1 sheet).

CLASS : 32-B, 157810

Int. Cl. : C 07 c 9/00.

A PROCESS FOR THE PREPARATION OF PARAFFINIC AND OLEFINIC HYDROCARBONS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors : 1. MARTIN FRANCISCUS MARIA POST, 2. SWAN TIONG SIE.

Application No. 1196/Cal/81 filed October 26, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## (9 Claims)

A process for the preparation of paraffinic and olefinic hydrocarbons, characterized in that a mixture of carbon monoxide and hydrogen with an  $H_2/CO$  molar ratio of 1.0-2.0 is contacted in a first step with a bifunctional catalyst such as herein described, containing iron on a carrier, which in addition to having activity for the conversion of an  $H_2/CO$  mixture into substantially hydrocarbons, has activity for the conversion of an  $H_2O/CO$  mixture into an  $H_2/CO_2$  mixture, and in that carbon monoxide and hydrogen present in the reaction product from the first step are contacted in a second step with a nickel, cobalt or ruthenium-containing monofunctional catalyst such as herein described which has activity for the conversion of an  $H_2/CO$  mixture into substantially hydrocarbons.

Compl. Specn 18 pages.

Drg. Nil.

CLASS : 32-E.

157811

Int. Cl. : B 01 j 1/00, C 08 f 1/00.

A PROCESS OF PREPARING A POLYMER OF AQUEOUS SUSPENSION POLYMERIZATION, BULK POLYMERIZATION AND EMULSION POLYMERIZATION.

Applicant : KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, OF 2-4, 3-CHOME, NAKANO-SHIMA, KITA-KU, OSAKA, JAPAN.

Inventors : 1. YOSHIO TOMISHIMA, 2. HIROMITSU TACHIBANA, 3. SHIGERU SHIBATA, 4. YASUHIRO NOJIMA.

Application No. 1265/Cal/81 filed November 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## (2 Claims)

In a polymerization process of the type described herein which process comprises the steps of (a) adding a polymerization inhibitor such for example as hereinbefore defined to the polymerization system and (b) intermittently evaporating and boiling monomers at least twice whereby the polymerization reaction is effectively and immediately terminated.

Compl. Specn. 14 pages.

Drg. Nil.

CLASS : 14-B.

157812

Int. Cl. : H 01 m 31/00.

IMPROVEMENTS IN OR RELATING TO STACK BATTERIES.

Applicant : UNION CARBIDE INDIA LIMITED, OF 1. MIDDLETON STREET, CALCUTTA-700071, WEST BENGAL, INDIA.

Inventors : 1. AMARENDRA DAS, 2. SYAMAL KANTI MUKHOPADHYAY, 3. BHAWANI PRASAD GHOSH.

Application No. 243/Cal/82 filed March 3, 1982.

Complete Specification dated left on 19th May, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## (7 Claims)

A stack battery comprising a plurality of dry cells arranged and stacked in a housing, characterised in :

that the dry cells so stacked comprise two sets of flat dry cells;

that each said set is constituted by more than one positive flat dry cell units and is terminated at one end by a negative flat dry cell unit;

that in assembly of the said two sets, the negative flat dry cell of each set lies at the end of the respective set, while the positive dry cell unit of each set face each other;

that the positive flat dry cell units of each said set are connected in series and are joined at a common point of the two sets to define the positive terminal of the stack battery; and that the negative terminal of the stack battery is constituted by joining together the negative flat dry cell units disposed at the end of each of the two sets.

Provisional Specn. 4 sheets. Prov. Drg. 1 sheet.

Compl. Specn. 10 sheets.

Comp. Drg. 1 sheet.

CLASS : 70-A.

157813

Int. Cl. : H 01 m 27/20.

### CELL FOR PRODUCING A METAL ELECTROLYTICALLY FROM ITS HALIDE.

Applicant : ALUMINIUM PECHINEY, OF 28 RUE DE BONNEF. 69003, LYON, FRANCE.

Inventor : 1. YVES BERTAUD.

Application No. 267/Cal/82 filed March 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(19 Claims)

A cell for electrolytically producing metal, especially aluminium, by electrolysis of a metal halide in a bath of molten salts, which comprises :

(a) an external jacket of substantially parallelepipedal shape, corrosion resistant, provided with cooling means, ports for the input and output of liquid and gaseous fluids, and means for supplying electricity, the lower end of said jacket comprising a receptacle zone to collect the metal produced.

(b) a plurality of stacked electrodes in the central portion, each stack comprising, in a vertical direction and in descending order, a current supply electrode, intermediate multipolar members and a current output electrode, defining regular interpolar spaces, the intermediate multipolar members comprising an upper portion having two upper limbs which form a trough, the members having a shape similar to that of the letter Y.

(c) a gas collecting zone in the top portion of the cell whereby the multipolar members are assembled in a vertical stack and the interpolar space are substantially verticle.

Compl. Specn. 30 pages.

Drg. 4 sheets.

CLASS : 32-A<sub>1</sub>.

157814

Int. Cl. : C 09 b 27/00, 29/00.

### PROCESS FOR THE MANUFACTURE OF MONOAZO COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

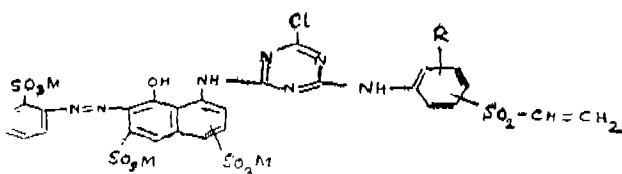
Inventors : 1. FRITZ MEININGER, 2. URSULA OTTEN, 3. ANNA GERTRUD RUDOLPH NEE OTTEN.

Application No. 482/Cal/82 filed April 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(2 Claims)

A process for the manufacture of a monoazo compound of the formula (1) of the accompanying drawings

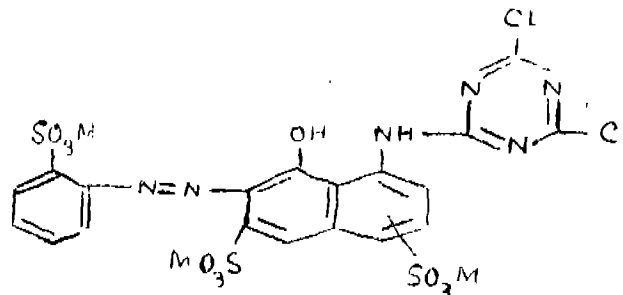


wherein

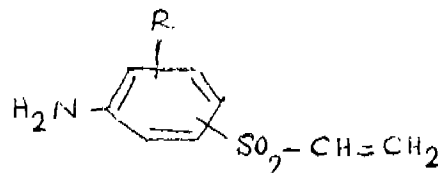
M is a hydrogen atom or the equivalent of a metal.

R is a hydrogen atom or the methyl, ethyl, methoxy or ethoxy group, and

the vinylsulfonyl group in the benzene nucleus is in the meta or para position relative to the acylated amino group and the second group of the formula  $-SO_2M$  in the naphthalene nucleus is bound in the meta or para position relative to the acylated amino group which comprises reacting a compound of the general formula (2)



wherein M is defined above and the second group of the formula  $-SO_2M$  in the naphthalene nucleus is in the meta or para-position relative to the acylated amino group, with an aromatic amine of the general formula (3)



wherein R is defined above and the vinylsulfonyl group in the benzene nucleus is in the meta- or para-position relative to the amino group.

Compl. Specn. 21 pages.

Drg. 2 sheets.

CLASS : 39-E.

157815

Int. Cl. : C 01 b 31/32.

### A PROCESS FOR MAKING CALCIUM CARBIDE AND SYNTHESIS GAS.

Applicants : HOECHST AKTIENGESELLSCHAFT, D 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY AND RHEINISCHE BRAUNKOHLWERKE AKTIENGESELLSCHAFT, D 5000 KOLN 41, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HANS-JOACHIM KERSTING, 2. ERHARD WOLFRUM, 3. WILLI PORTZ, 4. GEORG STRAUSS.

Application No. 689/Cal/82 filed June 15, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(7 Claims)

A process for making calcium carbide and synthesis gas in one reaction, which comprises reacting an excess of coke with quicklime in the presence of oxygen in an oxygen-thermal furnace, using carbonaceous residues originating from petroleum refining or coal liquefaction, coal, lignite or peat as a carbon carrier and feed material for making coke; using a material comprising lime hydrate  $[Ca(OH)_2]$  or limestone  $(CaCO_3)$  as feed material for making quicklime; and introducing the two feed materials into the oxygen-thermal furnace in the form of a mixture consisting essentially of fine particles predried and coked or calcined to an



extent just necessary for establishing and maintaining a temperature of 1800°C to 2300°C in the oxygen-thermal furnace indispensable for effecting the formation of calcium carbide, and for obtaining synthesis gas consisting essentially of CO and H<sub>2</sub> and being substantially free from methane, carbon dioxide, steam and tar as a by-product from the volatile degassification products of the carbon carrier and volatile decomposition products of lime hydrate or limestone and other furnace gases; obtaining calcium carbide and synthesis gas from the oxygen-thermal furnace, said gas having a temperature of 1800°C to 2300°C, and quenching said gas down to 800 to 1200°C and treating said gas with steam by directly contacting said gas with water so as to obtain desired content of hydrogen and carbon monoxide in the gas.

Compl. Specn. 14 pages.

Drg. 2 sheets.

CLASS : 139-A.

157816

Int. Cl. : C 09 f 1/00.

**A PROCESS AND APPARATUS TO PRODUCE CARBON BLACK.**

Applicant : PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventor : I. PAUL JIH-TIEN CHENG.

Application No. 918/Cal/82 filed August 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(20 Claims)

A process for producing carbon black comprising :

(a) producing a smoke containing first carbon black particles by either decomposition or incomplete combustion of a carbon black feedstock, said first carbon black particles having a first average particles size,

(b) providing a mass of loose flocculent, dry carbon black,

(c) passing at least a portion of said smoke into said mass of loose, flocculent, dry carbon black to capture a portion of said first carbon black particles and to convert a portion of said first carbon black particles to second carbon black particles having a second average particles size greater than said first average particle size,

(d) withdrawing an aerosol stream comprising the gas phase of said smoke and said second carbon black particles from said mass,

(e) introducing said aerosol into a separator to produce a carbon black product composed essentially of said second carbon black particles and an essentially carbon black free gas phase, and

(f) wherein said mass is provided in at least one collecting chamber wherein dry, loose, flocculent carbon black from the separator is collected.

Compl. Specn. 17 pages.

Drg. 3 sheets.

CLASS : 32-E.

157817

Int. Cl. : C 08 f 35/02.

**SEMI-CONDUCTIVE COMPOSITIONS, BASED ON ETHYLENEVINYL ACETATE COPOLYMERS, HAVING ADHESION TO AND STRIPPABILITY FROM CROSS-LINKED POLYOLEFIN SUBSTRATES.**

Applicant : NIPPON UNICAR COMPANY LIMITED, AT ASASHI-TOKAI BLDG., 6-1 OTEMACHI, 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. SEIHO TANIGUCHI, 2. YUICHIRO SAKUMA.

Application No. 1160/Cal/82 filed October 7, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2-127GI/86

(12 Claims)

A semi-conductive composition comprising an ethylene-vinyl acetate copolymer containing 15 to 30 per cent by weight of vinyl acetate and having a melt index of 1 to 50 g/10 min. or a chlorinated ethylene-vinyl acetate copolymer containing 3 to 40% by weight of chlorine and wherein said ethylene-vinyl acetate copolymer prior to chlorination contained 15 to 30% by weight vinyl acetate and had a melt index of 1 to 40 g/10 min., carbon black in an amount as herein described a silicone compound selected from the group consisting of silicone oils, silicone, rubbers and silicone block copolymers which are liquid at normal temperatures, in an amount of 0.3 to 5 parts by weight and an interface cross-link inhibitor selected from the group consisting of a phenol, a quinone, a thiazole and a thiuram sulfide in an amount of 0.01 to 1.5 parts by weight, said parts by weight based on 100 parts by weight of said copolymer.

Compl. Specn. 12 pages.

Drg. Nil.

CLASS : 40-F.

157818

Int. Cl. : C 08 f 1/98.

**IMPROVEMENT IN OR RELATING TO A POLYMERIZATION REACTOR USED FOR CARRYING OUT POLYMERIZATION OF A VINYLIC MONOMER.**

Applicant : SHIN-ETSU CHEMICAL CO. LTD., OF 6-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TOSHIHIDE SHIMIZU, 2. YASUO FURUKAWA, 3. ICHIRO KANEKO.

Application No. 1206/Cal/82 filed October 15, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(5 Claims)

Improvement in or relating to a polymerization reactor used for carrying out a polymerization of a vinylic monomer, the step of preventing deposition of polymer scale on the surface of the reactor walls which comprises :

(A) coating the surface of the reactor walls, prior to the introduction of the polymerization mixture into the polymerization reactor, with an aqueous coating solution having a value of pH of 7 or below and containing

(a) an acid salt such as herein defined and having at least one pair of conjugated double bonds in a molecule;

(b) 2 to 40 parts by weight of a polyvinyl alcohol dissolved therein per 100 parts by weight of component (a) and when desired,

(c) further contains an aliphatic monohydric alcohol having from 3 to 6 carbon atoms in a molecule in a concentration not exceeding 20% by weight, and

(B) drying the thus coated surface.

Compl. Specn. 32 pages.

Drg. Nil.

Class : 126-B

157819

Int. Cl. : F 21 b 47 00.

**APPARATUS FOR MEASURING TRANSVERSE DIMENSION OF A HOPEHOLE.**

Applicant : SCHLUMBERGER LIMITED, OF 277 PARK AVENUE, NEW YORK, N.Y. 10172, U.S.A.

Inventors : 1. BRONISLAW SEEMAN, 2. BENOLT FROELICH.

Application No. 1440/Cal/82 filed December 13, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims

Apparatus for measuring the transverse dimensions of a borehole, of the type comprising an elongated sonde capable of being moved longitudinally in this well in cooperation with positioning means which are transverse in relation to the wall of the hole and at least one acoustic transducer capable of transmitting a signal toward the wall of this hole and of picking up echos reflected by this wall, characterized in that this transducer can transmit said acoustic signals in two transverse directions which are aligned and opposite each other and can pick up the echos reflected respectively by the wall of the hole along these two directions, said transducer being mounted on the sonde according to the operating position of these positioning means in a location such that the first echos reflected by the wall of the hole in response to the signal transmitted respectively in these two directions are received by said transducer at different times.

Compl. specn. 33 pages.

Drg. 6 sheets.

CLASS : 101 B

157820

Int. Cl. : E 02 d—29/00 + 23/00.

**A PANEL FOR USE IN THE CONSTRUCTION OF A COFFER DAM AND COFFER DAM CONSTRUCTED BY THE SAID PANEL.**

**Applicant :** NEMICHANDRA DADA GANESHWADE, 12, KOTHRUD, INDUSTRIAL ESTATE, PUNE-411 029, MAHARASHTRA, INDIA.

Inventor : Idem.

Application No. 153/Bom/1983 filed May 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Bombay Branch.

## 12 Claims

A panel for use in the construction of a coffer dam comprising a member of sheet metal having a receptive member secured to one side thereof and an insertable member secured to the opposite side thereof, the receptive member being capable of receiving and accommodating within itself the insertable member of an adjacent panel, inserted from the top of the receptive member, a slot extending from the upper end of the receptive member to the lower end thereof for locating the member of sheet metal of the adjacent panel and a flap of a flexible resilient material on the member of sheet metal adjacent the insertable member provided to close the said slot of the receptive member under water pressure to prevent seepage of water within the said respective member.

Compl. specn. 12 pages.

Drgs. 3 sheets.

CLASS : 107 F

157821

Int. Cl. : F 02 p 3-00.

**TWO WHEELER AND THREE WHEELER MOTOR VEHICLES HAVING AN ENGINE LOCATED WITHIN THE BODY OF THE MOTOR VEHICLES.**

**Applicant :** BAJAJ AUTO LTD, AKURDI, PUNE-411035, MAHARASHTRA, INDIA.

**Inventors :** (1) NAMDEO PREMLAL AMBULE, (2) DEEPAK GANGADHAR TEKMAL & (3) ANIL CHINTAMAN KULKARNI.

Application No. 208/Bom/1983 filed June 28, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

## 4 Claims

A two wheeler or three wheeler motor vehicle having an engine located within the body of the motor vehicle, an Electric ignition unit and a high tension coil provided with the said motor vehicle, said electronic ignition unit and the said high tension coil connected with conductors from a magneto and a spark plug respectively also provided with the said motor vehicle characterised in that the said electronic ignition unit and also the said high tension coil of the motor vehicle are mounted directly on the crank case of the engine of the said vehicle by a bracket secured to the said engine casing, the said bracket being a metal plate have holes for screws for fixing with the said engine casing said bracket provided with clips or clamps for mounting the said ignition unit and the said high tension coil.

Compl. specn. 6 pages.

Drgs. 2 sheets.

CLASS : 53 A, 86 B

157822

Int. Cl. : B 62 j—1/00, B 68 g—11/00.

**AN IMPROVED SEAT FOR TWO WHEELER VEHICLE.**

**Applicant :** BAJAJ AUTO LIMITED, AKURDI, PUNE-411 035, MAHARASHTRA, INDIA AN INDIAN COMPANY.

**Inventor :** NAMDEO PREMLAL AMBULR, ASHOK VISHWANATH SARWATE.

Application No. 251/Bom/1983, filed on 16 August 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Bombay Branch, Bombay.

## 3 Claims

An improved seat for two wheeler vehicle such as motor scooters, motor cycles and mopeds comprising a horizontal/member supporting the usual seat having two downwardly extending arms the said member being pivotally connected to the extending arms, a bolt extending between the said arms characterised by a rubber block having a concave shape curved surface fitted on the portion of the bolt extending beyond the said arms and held secure between a metal washer and a member surrounding the bolt, the rubber block absorbing the jerks and jolts to the seat.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS : 69 E

157823

Int. Cl. : H 01 H 33/00.

**A SINGLE BREAK DOUBLE ISOLATION CONTACT SYSTEM FOR USE IN A SWITCHING DEVICE SUCH AS SWITCH CIRCUIT BREAKER OR THE LIKE AND A SWITCHING DEVICE CONTAINING THE SAME.**

**Applicants :** LARSEN & TOUBRO LTD., L & T HOUSE, NAROTTAM MORARJEE MARG, BALLARD ESTATE, BOMBAY-400 001, INDIA.

Inventor : DEVENDER NATH.

Application No. 309/Bom/1983 filed September 28, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

## 6 Claims

A single break double isolation contact system for use in a switching device such as switch, circuit breaker or the like, said contact system comprising one or more poles each pole consisting of a movable contact bridge arm operate by the handle or knob of the said switching device, a moving contact operated by the said arm and held in position by a spring and having a contact tip at its one end and a pair of fixed contacts each being provided on

either side of the said arm, one of the fixed contacts having a contact tip cooperating with the contact tip of the said moving contact and being connectable to a power supply and the other of said fixed contacts being connectable to a load and without contact tip characterised in that the other end of the said moving contact opposite to the said one end thereof is provided with a conducting semicircular member which cooperates with the said other fixed contact without contact, tip and that the surface of the said arm operating the said moving contact is tapered at an angle between 5-90° in the horizontal plane.

Compl. specn. 9 pages.

Drgs. 2 sheets.

CLASS : 134 A

157824

Int. Cl. : B 62 d—43/00.

**IMPROVEMENT IN OR RELATING TO A CONCEALED ARRANGEMENT FOR SECURING A SPARE WHEEL IN A TWO WHEELER SUCH AS A SCOOTER.**

Applicants : BAJAJ AUTO LTD, AKURDI PUNE-411035, MAHARASHTRA, INDIA.

Inventors : (1) MYSORE SUBBARAU KESHAV, (2) NAMDEO PREMLAL AMBULE & (3) SATISH BAPURAO BHALERAO.

Application No. 338/Bom/1983 filed October 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

### 3 Claims

Improvement in or relating to a concealed arrangement for securing spare wheel in a two wheeler such as a scooter wherein the said concealed arrangement comprises a cavity in the chassis of the vehicle below the seat having a surface formed by the components of the chassis, a bracket or a like device provided on the said surface for holding the spare wheel, a hinged cover for the said cavity and means for locking the cover.

Compl. specn. 9 pages.

Drgs. 2 sheets.

CLASS : 160 D + 134 C

157825

Int. Cl. : B 60 G 11/02.

**IMPROVEMENTS IN OR RELATING TO FRONT WHEEL SUSPENSION OF TWO WHEELER AND THREE WHEELER MOTOR VEHICLES.**

Applicants : BAJAJ AUTO LTD, AKURDI, PUNE-411035, MAHARASHTRA, INDIA.

Inventors : (1) MYSORE SUBBARAU KESHAV, (2) AVINASH RAMVILAS GUPTA & (3) PRAKASH ACHUTRAO SANE.

Application No. 339/Bom/1983 filed October 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

### 6 Claims

An improved front wheel suspension for a two wheeler or three wheeler motor vehicle comprising at least one single leaf or multileaf spring bent to the shape of arc of one quarter of an ellipse fixed at its rear end to the steering member of the vehicle and pivoted at its front end to one end of a shackle, the other end of which shackle is pivoted to the hub of the front wheel of the vehicle, and a link fixed at its front end to the hub of the front wheel and pivoted at its rear end to the steering member.

Compl. specn. 8 pages.

Drgs. 2 sheets.

CLASS : 107 G

157826

Int. Cl. : F 02 m 1/00.

**IMPROVEMENTS IN OR RELATING TO THE CHARGE INTAKE DEVICE OF TWO STROKE PETROL AND LIKE ENGINES HAVING ELECTRIC SPARK IGNITION SYSTEMS.**

Applicants : BAJAJ AUTO LTD, AKURDI, PUNE-411035, MAHARASHTRA, INDIA.

Inventors : (1) MYSORE SUBBARAU KESHAV, (2) AVINASH RAMVILAS GUPTA, (3) VIKAS DINKAR RAO DESHPANDE, & (4) PRAKASH ACHUTRAO SANE.

Application No. 342/Bom/1983 filed October 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

### 5 Claims

An improved charge intake device for two stroke petrol or like engines comprising a pressure operated charge intake control means at the opening of the inlet manifold of the engine into the precompression chamber in the crank case of the engine and a mechanically operated charge control means for opening and closing an auxiliary port in the cylinder wall of the engine connecting the outlet end of the intake manifold with the engine cylinder.

Compl. specn. 9 pages.

Drgs. 3 sheets.

CLASS : 134 A

157827

Int. Cl. : B 62 d—43/08 & B 60 r—11/06.

**MEANS FOR MOUNTING THE SPARE WHEEL IN TWO WHEELER MOTOR VEHICLES.**

Applicants : BAJAJ AUTO LTD., AKURDI, POONA-411035, MAHARASHTRA, INDIA.

Inventors : (1) MYSORE SUBBARAU KESHAV, (2) SATISH BAPURAO BHALERAO & (3) ASHOK VISHWANATH SARWATE.

Application No. 379/Bom/1983 filed November 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

### 6 Claims

Means for mounting the spare wheel in a two wheeler motor vehicle such as a motor scooter, on one side of the chassis of the vehicle normally covered by a side cowl comprising a metal bracket fixed to the chassis characterised in that the bracket has one or more angle shaped members as its arms and is provided with means for securing the bracket to the chassis.

Compl. specn. 9 pages.

Drgs. 3 sheets.

CLASS : 160 C

157828

Int. Cl. : B 62 d—25/16.

**FRONT MUDGUARD OF MOTOR VEHICLES HAVING SINGLE STEERABLE FRONT WHEELS.**

Applicant : BAJAJ AUTO LTD, AN INDIAN COMPANY OF AKURDI, POONE 411035, MAHARASHTRA, INDIA.

Inventors : (1) MYSORE SUBBARAU KESHAV, (2) NAMDEO PREMLAL AMBULE.

Application No. 388/Bom/1983 filed on 12th December 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

### 2 Claims

A mudguard for the single front steerable wheel of a two wheeler or three wheeler motor vehicle characterised in that the mudguard is made in at least two parts which are secured together and fixed to a bracket on the steering column of the vehicle.

Compl. specn. 6 pages.

Drg. 1 sheet.

CLASS : 128 G, K

157829

(6)

Int. Cl. : A 61 m—1/02.

156264

## AUTO TRANSFUSION APPARATUS.

(7)

Applicant & Inventor : PROF. DR. MED DIETER RUHLAND, JUNGE BLODTPLATZ 1, 4400 MUNSTER, WEST GERMANY.

156346

(8)

Application No. 43/Bom/1984 filed February 18, 1984.

156357 156361 156373 156376 156381.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

(9)

## 10 Claims

156386 156387 156388 156391.

(10)

Auto-transfusion apparatus for blood or other similar body fluid, consisting of a container (5) which may be evacuated and is stable at reduced pressures having a base portion (4) and a cover portion (3); an inlet opening (20) for the body fluid located in the cover; an outlet opening (24) for the body fluid having a sieve (25) covering the said outlet opening from inside; an opening (9) for establishing a gas-flow connection to a chamber which has a gas pressure different from that inside the container, characterised in that (i) the outlet opening (24) is located in the cover portion (3); (ii) the opening (9) is located in the base portion (4) (iii) a membrane (16) impermeable to body fluids which is deformable by pressure is fastened securely around its edge between the base portion and the cover portion, thus dividing the container (5) into a gas-filled lower space (13) and an upper space (19) which is sealed off from the lower space for receiving the body fluids; and under the influence of a fluid pressure it may be forced to lie essentially up against the internal contours (1) of the cover portion (3) or up against the internal contours (2) of the base portion (4).

156396

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156409 156410 156411 156412 156413 156414 156415 156416  
156417 156418 156420 156421 156422 156423 156424 156425  
156426.

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156427 156428 156431 156434 156436 156441 156446 156452  
156457.

(13)

156460 156464

(14)

Compl. specn. 19 pages.

Drg. 4 sheets.

## OPPOSITION PROCEEDINGS

(1)

156486 156489 156494 156496 156497 156500 156501 156504  
156508 156510 156511 156513.

(15)

156535 156544 156545 156547 156557.

(16)

156558 156559 156560 156561 156562 156563 156564 156565  
156566 156567 156568 156569 156570 156571 156572 156573  
156574 156575 156576 156577 156578 156579 156580 156581  
156582 156583 156584 156585 156586 156587 156588 156589  
156590 156591 156592.

(17)

156593 156594 156596 156597 156598 156599 156600 156601  
156602 156603 156604 156605 156606.

(18)

156607 156608 156609 156610 156611 156612 156613 156614  
156615 156616 156617 156618 156619 156620 156621 156622  
156623 156624 156625 156626 156627 156628 156629 156630  
156631 156632 156633 156634.

(19)

156635 156636 156637 156638 156639 156640 156641 156642  
156643 156644 156645 156646 156647 156648 156649 156650

(20)

156651 156652 156653 156654 156655 156656 156657 156658  
156659 156660.

An opposition entered by National Research Development Corporation of India to the grant of a Patent on application No. 152556 made by Indian Oxygen Limited as notified in the Gazette of India, Part-III, Section 2 dated the 4th August, 1984 has been dismissed and ordered that a patent to be sealed.

(2)

The application for Patent No. 155889 made by Sh. Hari Dutta Gupta, in respect of which opposition was entered by Council of Scientific & Industrial Research as notified in Gazette of India, Part III, Section 2 dated 9th November 1985, has been treated as withdrawn.

## CORRECTION OF CLERICAL ERRORS

Under Section 78(1) of the Patents Act, 1970 certain clerical errors occurring in the Drawings in respect of Patent No. 153406 were corrected on 15th May, 1986.

A limited number of printed copies of the undernoted specification are available for sale from the Patent office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

(1)

154312

(2)

155282

(3)

155923

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156078 156079

(5)

156147 156212 156232 156233

## (21)

156661 156662 156663 156664 156665 156666 156667 156668  
156669 156670 156671 156672 156673 156674 156675 156676  
156677 156678 156679 156680 156681 156682 156683 156684  
156685 156686 156687 156688 156689 156690.

## (22)

156691 156692 156693 156694 156695 156696 156697 156698  
156699 156700 156701 156702 156703 156704 156705 156706  
156707 156708 156709 156710 156711 156712 156713 156714  
156715 156716 156717 156718 156719 156720 156721 156722  
156723 156724 156725 156726 156727 156728.

## (23)

156729 156730 156731 156732 156733 156735 156736 156737  
156738 156739 156740 156741 156746 156747 156753 156754  
156755 156756 156757 156758 156759 156760 156761.

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156771 156772 156787 156791 156798 156801.

## (25)

156807 156824.

## PATENTS SEALED

145398 149990 154126 154227 154446 155002 155131 155459  
155461 155462 155464 155466 155467 155468 155469 155470  
155472 155505 155506 155512 155514 155515 155516 155519  
155547 155548 155549 155550 155563 155574 155575 155584  
155585 156054 156126.

## RENEWAL FEES PAID

137076 137085 137483 137797 137932 138893 138984 139093  
139148 139210 139370 139442 139499 139685 139790 140019  
140161 140793 141671 142141 142282 142291 142330 142424  
142510 142665 142859 143099 143316 143572 143710 143730  
143943 144077 144251 144577 144947 145110 145142 145332  
145427 145600 145635 145684 145958 146405 146451 146530  
146535 146640 146786 146860 146880 147270 147487 147592  
147715 147983 148289 148291 148351 148514 148815 148887  
148889 149025 149070 149463 149488 149823 149984 150120  
150363 150431 150511 150905 151252 151311 151313 151430  
151448 151519 151616 152159 152327 152433 152486 152606  
152762 152878 152955 152973 152989 153131 153141 153159  
153523 153599 153640 153672 153673 153745 154180 154433  
154491 154497 154534 154584 154595 154658 154660 154785  
154837 154871 154937 154964 155088 155271 155400.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 149280 dated the 28th July, 1978 made by Bo Jufors on the 24th July, 1985 and notified in the Gazette of India, Part-III, Section 2 dated the 2nd November, 1985 has been allowed and the said Patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 156109. Trupti Enterprises, of Roxy Chambers, Mama Parmanand Marg, Bombay-400 004, Maharashtra, India; a Registered Partnership Firm. "Vented Cookware Ltd". 8th October, 1985.

Class 1. No. 156168. Associated Engineers, 5A, D.D.A. Sheds, Okhla Industrial Area, Phase-II, New Delhi-110020, Union Territory of Delhi, India a Partnership firm. "Hydraulic Cable Cutter". 25th October, 1985.

Class 1. No. 156169. John Michael Pereira, an Indian Citizen residing at Pripa Bldg., Flat No. 26B, Near Mt. Mary's Steps, St. John Baptist Road, Bandra, Bombay-400050, Maharashtra State, India. "Filter holders for cigarettes". 25th October, 1985.

Class 1. No. 156354. Suzuki Jidosha Kogyo Kabushiki Kaisha, a corporation duly organized and existing under the laws of Japan, of 300, Kamimura Takatsuka, Hamana-gun, Shizuoka-ken, Japan. "Motor Bicycle". 25th November, 1985.

Class 1. No. 156488. Opto International Limited, a British Company of Bayley Street, Stalybridge, Cheshire, SK15 1QQ, United Kingdom. "Clamp". 31st December, 1985.

Class 3. Nos. 156390, 156391, 156400. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. a "Toy building element". 4th December, 1985.

Class 3. No. 156101. Mahavir Products, 213, Sati Industrial Estate, I.B. Patel Road, Goregaon (East), Bombay, State of Maharashtra, Indian. "Thermic insulated Casserole (Bowl)". 4th October, 1985.

Class 3. No. 156170. John Michael Pereira, an Indian citizen residing at Kripa Bldg., Flat No. 26B, Near Mt. Mary's Steps, St. John Baptist Road, Bandra, Bombay 400050, Maharashtra State, India. "Filter Holders for cigarettes and the like". 25th October, 1985.

Class 3. No. 156307. Dr. P. Mozoomdar's Antibactrin, an Indian Registered Partnership Firm of 4/70, Chanditala Lane, Tollygunge, Calcutta-700 040, West Bengal, India. "Containers". 18th November, 1985.

Class 3. No. 156311. Puran Singh, Proprietor of Messrs Puran Sports, 1833/137, Shanti Nagar, Tri Nagar, Delhi-110035, India, Indian National. "Carom Board". 19th November, 1985.

Class 3. No. 156332. Lugano Swiss Co. Pvt. Ltd., Space No. 2, 8th floor, 8, Camac Street, Calcutta-700 017, State of West Bengal, India, an Indian Company. "Refill for Ball Point Pen". 22nd November, 1985.

Class 3. No. 156514. Maxlok Polymers Limited, (a company incorporated under the Indian Companies Act, 1957), whose address is 3, Lancers Road, Delhi-110007, India. "Thermoplastic Sheet for Packing". 9th January, 1986.

Class 3. No. 156409. Cello Plastic Industrial Works, Vakil Industrial Estate, Walbhat Road, Goregaon East, Bombay-400 063, Maharashtra, India, an Indian Partnership Firm. "Glass". 6th December, 1985.

Class 4. No. 156073. Shree Krishnakeshav Laboratories Ltd., Amraiwadi Road, Ahmedabad-380 008, Gujarat State, India, a public limited company incorporated under the Indian Companies Act. "Bottle". 24th September, 1985.

Class 3. No. 156171. John Michael Pereira, an Indian citizen residing at Kripa Bldg., Flat No. 26B, Near Mt. Mary's Steps, St. John Baptist Road, Bandra, Maharashtra State, Bombay-400 050, India. "Filter holders for cigarettes and the like". 25th October, 1985.

Class 12. No. 156081. Trinath Khera, 26 Hari Singh Nalwa Street Karol Bagh, New Delhi-110 005, Union Territory of India, and Indian national of the above address. "Necktie". 25th September, 1985.

Class 12. No. 156172. John Michael Pereira, an Indian Citizen, residing at Kripa Bldg., Flat No. 26B, Near Mt. Mary's Steps, St. John Baptist Road, Bandra, Bombay-400050, Maharashtra State, India. "Filter holders for cigarettes and the like". 25th October, 1985.

*Extn. of Copyright for the Second Period of five years.*

Nos. 155735, 155738, 155740, 155742,

155745, 155347 ..... .. Class 3.

*Extn. of Copyright for the Third period of five years.*

Nos. 155735, 155738, 155740, 155742,

155745, 155347 ..... ..Class 3.

R. A. ACHARYA  
Controller General of Patents, Designs  
and Trade Marks.